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FIBER ORGANON

Formerly Textile Organon

Volume 60, No. 7 ☐ July 1989

A publication of *Fiber Economics Bureau, Inc.*

Highlights

- Worldwide Manufactured Fiber Survey in Millions of Pounds.
- Worldwide Fiber Demand Rises 2% to Reach 81,959 million pounds.
  ... Demand for manufactured fiber up 4% to 37,752 million pounds.
  ... Demand for natural fibers up slightly to 44,207 million pounds.

SHIPMENTS:

In June, total manufactured fiber shipments reached 740 million pounds, 5% below the 781 million pounds shipped in May and 2% below the 758 million pounds shipped in June 1988.

June shipments of synthetic (noncellulosic) filament yarn fell 4% to 343 million pounds and staple+tow fell 6% to 348 million pounds.

Contributing to the decrease in shipments over the previous month were acrylic+modacrylic staple down 14% or 7 million pounds and polyester textile yarn down 10 million pounds or 14%.

Year-to-date domestic shipments of manufactured fiber are up 1% and exports are down 10%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1989 JUN	1989 MAY	% CHG 6/89-5/89	1988 JUN	% CHG 6/89-6/88	YEAR TO DATE 1989	YEAR TO DATE 1988	% CHG YTD 1989-1988
ARTIFICIAL (CELLULOSIC)								
YARN	18.4	18.3	*+0.5*	17.5	*+5.1*	110.9	105.2	*+5.4*
RAYON STAPLE	30.9	34.7	*-11.0*	36.2	*-14.6*	200.8	215.2	*-6.7*
TOTAL ARTIFICIAL (CELL.)	49.3	53.0	*-7.0*	53.7	*-8.2*	311.7	320.4	*-2.7*
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	32.6	28.9	*+12.8*	32.4	*+0.6*	188.1	189.8	*-0.9*
CARPET	78.4	86.1	*-8.9*	79.3	*-1.1*	476.1	479.8	*-0.8*
TEXTILE [a]	33.4	33.8	*-1.2*	32.5	*+2.8*	203.9	191.3	*+6.6*
POLYESTER - INDUSTRIAL	31.5	30.4	*+3.6*	32.3	*-2.5*	183.3	179.4	*+2.2*
TEXTILE [a]	66.0	76.3	*-13.5*	70.5	*-6.4*	439.3	415.8	*+5.7*
OLEFIN	100.7	101.7	*-1.0*	102.8	*-2.0*	607.0	609.5	*-0.4*
TOTAL YARN	342.6	357.2	*-4.1*	349.8	*-2.1*	2097.7	2065.6	*+1.6*
STAPLE+TOW+FIBERFILL								
NYLON	78.3	81.3	*-3.7*	79.3	*-1.3*	485.5	471.8	*+2.9*
ACRYLIC+MODACRYLIC	44.4	51.7	*-14.1*	47.4	*-6.3*	281.8	295.1	*-4.5*
POLYESTER	193.6	206.8	*-6.4*	195.7	*-1.1*	1225.0	1189.8	*+3.0*
OLEFIN	32.1	31.2	*+2.9*	32.4	*-0.9*	189.3	212.8	*-11.0*
TOTAL STAPLE	348.4	371.0	*-6.1*	354.8	*-1.8*	2181.6	2169.5	*+0.6*
TOTAL SYNTHETIC (NONCELL.)	691.0	728.2	*-5.1*	704.6	*-1.9*	4279.3	4235.1	*+1.0*
TOTAL MANUFACTURED FIBER	740.3	781.2	*-5.2*	758.3	*-2.4*	4591.0	4555.5	*+0.8*
TOTAL SHIPMENTS DIVIDED AS								
DOMESTIC SHIPMENTS [b]	699.8	740.9	*-5.5*	709.3	*-1.3*	4331.5	4268.9	*+1.5*
EXPORTS [c]	40.5	40.3	*+0.5*	49.0	*-17.3*	259.5	286.6	*-9.5*

a. Includes low denier industrial yarn.
b. Includes olefin exports.
c. Excludes olefin exports.

July 1989

Fiber Organon

A Monthly Review

Formerly ***Textile Organon***

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FIBER ECONOMICS BUREAU, INC.
President & Editor
Rosemarie D. Frick

Publishing Headquarters:
Fiber Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.
Telephone: (201) 228-1107
Facsimile: (201) 228-7598

ISSN 0040-5132

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Subscription Rates
(payable in U.S. dollars with order)

TERM	U.S.A.	OTHER
Annually (1 year only)	175.00	250.00
Schools & Nonprofit	75.00	125.00
Single issues:		
June	100.00	150.00
September	60.00	90.00
All Others	30.00	50.00

Issues are sent by 1st class mail to U.S. subscribers and by airmail to foreign subscribers.

GRAPH 1:
WORLDWIDE DEMAND FOR CERTAIN FIBERS
PERCENT SHARE

TOTAL: 70,071 MM LBS.

TOTAL: 81,959 MM LBS.

TABLE 2:
WORLDWIDE DEMAND FOR CERTAIN FIBERS
MILLION POUNDS

TYPE OF FIBER	1984	1985	1986	1987	1988	% CHANGE 1988 / 1987
ARTIFICIAL (CELLULOSIC) FIBERS						
YARN+MONOFILAMENTS	2062	2030	2047	2004	2062	*+2.9*
STAPLE+TOW	4543	4425	4267	4279	4300	*+0.5*
TOTAL ARTIFICIAL (CELLULOSIC)	**6605**	**6455**	**6314**	**6283**	**6362**	*+1.2*
SYNTHETIC (NONCELLULOSIC) FIBERS						
YARN+MONOFILAMENTS	11517	12293	12579	13364	14170	*+6.0*
STAPLE+TOW	14508	15123	15843	16765	17220	*+2.7*
TOTAL SYNTHETIC (NONCELLULOSIC)	**26025**	**27416**	**28422**	**30129**	**31390**	*+4.2*
TOTAL MANUFACTURED [a]	**32620**	**33871**	**34736**	**36412**	**37752**	*+3.5*
% of World Total	*47%*	*46%*	*44%*	*45%*	*46%*	
NATURAL FIBERS						
RAW COTTON [b]	33669	36519	40364	40042	40104	*+0.2*
RAW WOOL [c]	3649	3796	3785	3889	3962	*+1.9*
RAW SILK [d]	123	130	139	139	141	*+1.6*
TOTAL NATURAL	**37441**	**40445**	**44288**	**44070**	**44207**	*+0.3*
% of World Total	*53%*	*54%*	*56%*	*55%*	*54%*	
WORLD TOTAL	**70071**	**74316**	**79024**	**80482**	**81959**	*+1.8*
World Total %	*100%*	*100%*	*100%*	*100%*	*100%*	

The silk and manufactured fiber data are on a calendar year basis, while the figures for cotton and wool are on a seasonal basis.

a. Manufactured fiber data are from tables 4 and 5. Glass fiber, olefin and acetate cigarette tow production are not included.

b. International Cotton Advisory Committee. ***COTTON: Review of the World Situation***, May - June 1989. New series based on cotton consumption data.

c. Commonwealth Secretariat data, on a clean wool basis. See also the December 1988 ***Textile Organon***, page 263.

d. International Silk Association; Food and Agriculture Organization of the United Nations.

TABLE 3:
WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN

MILLION POUNDS

	ACTUAL PRODUCTION								
	1984			1985			1986		
COUNTRY	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE									
AUSTRIA	0	39.9	39.9	0	39.9	39.9	0	35.1	35.1
BENELUX[a]	167.8	53.1	220.9	177.5	66.4	243.9	160.9	75.8	236.7
FRANCE	132.7	289.9	422.6	133.8	269.0	402.8	134.9	233.7	368.6
GERMANY, FED. REP.	776.0	835.5	1611.5	793.7	886.2	1679.9	771.6	870.8	1642.4
GREECE	19.8	22.0	41.8	19.8	22.0	41.8	20.7	23.1	43.8
IRELAND	25.4	85.3	110.7	25.4	99.9	125.3	24.3	134.5	158.8
ITALY/MALTA	339.5	824.1	1163.6	378.3	864.2	1242.5	385.8	886.0	1271.8
SPAIN	171.1	403.0	574.1	187.4	418.7	606.1	187.2	421.7	608.9
SWITZERLAND	158.1	61.3	219.4	161.2	58.6	219.8	147.9	57.3	205.2
TURKEY	106.9	248.5	355.4	114.6	295.4	410.0	132.3	372.6	504.9
UNITED KINGDOM	176.4	352.7	529.1	186.7	348.3	535.0	172.4	286.6	459.0
TOTAL WESTERN EUROPE	**2073.7**	**3215.3**	**5289.0**	**2178.4**	**3368.6**	**5547.0**	**2138.0**	**3397.2**	**5535.2**
EASTERN EUROPE									
ALBANIA	0	0	0	0.9	0	0.9	0.9	0	0.9
BULGARIA	54.9	94.4	149.3	61.7	94.4	156.1	83.8	105.6	189.4
CZECHOSLOVAKIA	154.1	81.8	235.9	167.5	85.5	253.0	191.1	101.0	292.1
GERMANY, DEM. REP.	143.3	173.9	317.2	143.3	178.1	321.4	169.8	180.3	350.1
HUNGARY	19.0	27.8	46.8	18.5	31.7	50.2	18.5	34.4	52.9
POLAND	183.6	134.5	318.1	190.5	111.6	302.1	188.7	102.7	291.4
ROMANIA	125.7	258.8	384.5	127.9	306.0	433.9	129.6	310.6	440.2
USSR	821.9	629.4	1451.3	857.1	714.3	1571.4	892.4	778.2	1670.6
YUGOSLAVIA	73.9	134.3	208.2	78.3	131.2	209.5	87.5	127.0	214.5
TOTAL EASTERN EUROPE	**1576.4**	**1534.9**	**3111.3**	**1645.7**	**1652.8**	**3298.5**	**1762.3**	**1739.8**	**3502.1**
TOTAL EUROPE	**3650.1**	**4750.2**	**8400.3**	**3824.1**	**5021.4**	**8845.5**	**3900.3**	**5137.0**	**9037.3**

Y Yarn+monofilaments

S Staple+tow+fiberfill

a. Includes Belgium, Netherlands and Luxembourg

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1987			1986			3/1989			12/1990		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
0	34.6	34.6	0	38.4	38.4	0	48.5	48.5	0	48.5	48.5
163.1	72.8	235.9	154.1	68.6	222.7	228.2	183.0	411.2	228.2	163.1	391.3
125.2	229.7	354.9	124.8	256.6	381.4	185.2	293.2	478.4	185.2	293.2	478.4
783.3	890.7	1674.0	801.4	918.2	1719.6	923.7	950.2	1873.9	932.5	965.6	1898.1
20.7	22.0	42.7	21.2	18.7	39.9	37.5	26.5	64.0	37.5	26.5	64.0
24.3	138.9	163.2	28.7	145.9	174.6	30.9	147.7	178.6	30.9	180.8	211.7
377.0	867.7	1244.7	369.9	845.2	1215.1	429.2	950.2	1379.4	435.8	983.3	1419.1
177.5	414.5	592.0	175.5	416.2	591.7	262.3	493.8	756.1	262.3	489.4	751.7
146.0	48.7	194.7	159.2	51.6	210.8	187.4	72.8	260.2	187.4	72.8	260.2
152.1	421.1	573.2	169.8	451.9	621.7	282.2	498.2	780.4	366.0	531.3	897.3
179.5	268.1	447.6	179.5	254.9	434.4	235.9	394.6	630.5	235.9	394.6	630.5
2148.7	3408.8	5557.5	2184.1	3466.2	5650.3	2802.5	4058.7	6861.2	2901.7	4149.1	7050.8
1.1	0	1.1	1.1	0	1.1	4.4	11.0	15.4	4.4	11.0	15.4
87.3	107.4	194.7	90.2	108.0	198.2	132.3	200.6	332.9	132.3	238.1	370.4
195.8	102.5	298.3	203.7	105.8	309.5	221.6	191.8	413.4	221.6	191.8	413.4
171.7	177.9	349.6	184.7	185.6	370.3	213.8	282.2	496.0	213.8	282.2	496.0
15.9	37.3	53.2	18.5	39.9	58.4	26.5	50.7	77.2	26.5	94.8	121.3
198.4	102.7	301.1	198.4	111.1	309.5	242.9	185.2	428.1	242.9	189.6	432.5
131.2	313.9	445.1	131.0	316.6	447.6	149.9	383.6	533.5	149.9	394.6	544.5
959.0	884.0	1843.0	1009.0	905.6	1914.6	1089.1	1075.8	2164.9	1157.4	1186.1	2343.5
97.0	140.9	237.9	94.4	127.4	221.8	172.0	220.5	392.5	178.6	246.9	425.5
1857.4	1866.6	3724.0	1931.0	1900.0	3831.0	2252.5	2601.4	4853.9	2327.4	2835.1	5162.5
4006.1	5275.4	9281.5	4115.1	5366.2	9481.3	5055.0	6660.1	11715.1	5229.1	6984.2	12213.3

TABLE 3:
WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN *(CONTINUED)*

MILLION POUNDS

	ACTUAL PRODUCTION								
	1984			1985			1986		
COUNTRY	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	2777.3	3697.4	6474.7	2835.7	3478.6	6314.3	2778.2	3656.5	6434.7
CANADA	153.4	130.1	283.5	165.6	127.9	293.5	166.0	141.8	307.8
OTHER AMERICAS									
ARGENTINA	60.2	47.2	107.4	59.7	37.0	96.7	67.7	53.8	121.5
BOLIVIA	0	0	0	0	0	0	0	0	0
BRAZIL	260.6	215.2	475.8	268.3	211.2	479.5	297.2	225.3	522.5
CHILE	6.2	2.4	8.6	9.0	4.4	13.4	8.8	5.1	13.9
COLOMBIA	85.1	23.6	108.7	84.4	21.8	106.2	84.0	20.3	104.3
COSTA RICA	7.7	0	7.7	7.7	0	7.7	9.3	0	9.3
ECUADOR	10.6	0	10.6	10.8	0	10.8	12.8	0	12.8
MEXICO	325.0	336.9	661.9	342.8	331.6	674.4	297.0	356.3	653.3
PERU	28.7	75.2	103.9	24.9	72.8	97.7	25.6	76.1	101.7
URUGUAY	3.5	7.5	11.0	4.0	8.8	12.8	4.0	7.1	11.1
VENEZUELA	22.5	12.1	34.6	27.6	13.2	40.8	29.5	14.3	43.8
TOTAL OTHER AMERICAS	810.1	720.1	1530.2	839.2	700.8	1540.0	835.9	758.3	1594.2
JAPAN	1397.7	1621.0	3018.7	1422.8	1669.5	3092.3	1334.2	1654.3	2988.5
CHINA, PRC	218.5	1014.8	1233.3	297.4	1316.4	1613.8	339.1	1308.7	1647.8
OTHER ASIA									
BANGLADESH	0.7	0	0.7	1.1	0	1.1	1.1	0	1.1
INDIA	234.3	123.5	357.8	281.1	145.9	427.0	306.7	179.9	486.6
INDONESIA	157.6	161.6	319.2	169.5	155.0	324.5	190.0	172.0	362.0
KOREA, REP. OF	814.8	830.9	1645.7	901.0	888.2	1789.2	962.3	938.9	1901.2
MALAYSIA	0	78.3	78.3	0	85.5	85.5	0	83.6	83.6
PAKISTAN	28.2	47.8	76.0	44.1	50.7	94.8	56.9	53.8	110.7
PHILIPPINES	45.2	28.7	73.9	48.5	26.9	75.4	44.1	33.1	77.2
SRI LANKA	2.2	0	2.2	2.6	0	2.6	2.9	0	2.9
TAIWAN	924.4	997.6	1922.0	1123.2	1133.4	2256.6	1335.1	1381.2	2716.3
THAILAND	87.5	115.5	203.0	93.9	121.3	215.2	88.2	125.7	213.9
TOTAL OTHER ASIA	2294.9	2383.9	4678.8	2665.0	2606.9	5271.9	2987.3	2968.2	5955.5
MIDDLE EAST, AFRICA & OCEANIA									
AUSTRALIA/N.Z.	28.7	2.2	30.9	32.2	2.2	34.4	35.9	2.2	38.1
EGYPT	12.1	56.4	68.5	12.3	60.8	73.1	13.9	67.5	81.4
IRAN	29.8	44.1	73.9	29.8	55.1	84.9	20.9	57.3	78.2
ISRAEL	20.9	15.4	36.3	30.2	16.1	46.3	23.1	17.6	40.7
KENYA	9.9	0	9.9	11.2	0	11.2	11.2	2.2	13.4
NIGERIA	6.6	6.6	13.2	7.1	6.6	13.7	7.7	6.8	14.5
SOUTH AFRICA	102.5	65.5	168.0	116.4	60.4	176.8	119.5	65.0	184.5
TANZANIA	4.4	0	4.4	4.4	0	4.4	5.5	0	5.5
TOTAL M.E., A. & O.	214.9	190.2	405.1	243.6	201.2	444.8	237.7	218.6	456.3
TOTAL WORLD	11516.9	14507.7	26024.6	12293.4	15122.7	27416.1	12578.7	15843.4	28422.1

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1987			1988			3/1989			12/1990		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
2875.9	3945.7	6821.6	2956.2	3981.6	6937.8	*3308.7*	*4455.6*	*7774.3*	*3366.1*	*4296.6*	*7662.7*
157.6	128.3	285.9	166.0	129.2	295.2	*274.3*	*169.8*	*444.1*	*274.3*	*169.8*	*444.1*
61.9	64.8	126.7	59.7	47.6	107.3	*144.0*	*83.8*	*227.8*	*150.6*	*83.8*	*234.4*
0	0	0	0	0	0	*11.0*	*0*	*11.0*	*11.0*	*0*	*11.0*
300.6	246.5	547.1	277.3	251.1	528.4	*384.5*	*296.7*	*681.2*	*397.7*	*315.7*	*713.4*
9.7	6.0	15.7	10.1	6.2	16.3	*23.6*	*17.6*	*41.2*	*23.6*	*17.6*	*41.2*
85.1	22.7	107.8	86.4	22.9	109.3	*130.5*	*30.9*	*161.4*	*144.0*	*59.5*	*203.5*
9.3	0	9.3	9.5	0	9.5	*17.6*	*0*	*17.6*	*17.6*	*0*	*17.6*
12.3	0	12.3	14.3	0	14.3	*22.3*	*15.4*	*37.7*	*22.3*	*15.4*	*37.7*
326.7	412.3	739.0	334.9	425.5	760.4	*438.1*	*566.6*	*1004.7*	*466.7*	*634.9*	*1101.6*
26.2	71.9	98.1	29.5	71.2	100.7	*47.4*	*83.8*	*131.2*	*47.4*	*83.8*	*131.2*
4.4	7.5	11.9	4.6	7.9	12.5	*11.0*	*12.1*	*23.1*	*11.0*	*12.1*	*23.1*
31.5	17.6	49.1	39.9	26.5	66.4	*50.7*	*50.7*	*101.4*	*50.7*	*50.7*	*101.4*
867.7	849.3	1717.0	866.2	858.9	1725.1	*1280.7*	*1157.6*	*2438.3*	*1342.6*	*1273.5*	*2616.1*
1342.2	1613.3	2955.5	1364.4	1616.0	2980.4	*1823.2*	*2068.6*	*3891.8*	*1823.2*	*2068.6*	*3891.8*
460.8	1404.3	1865.1	639.3	1494.7	2134.0	*981.0*	*1940.0*	*2921.0*	*1000.9*	*2116.4*	*3117.3*
1.1	0	1.1	1.3	0	1.3	*1.5*	*0*	*1.5*	*1.5*	*39.7*	*41.2*
353.4	233.0	586.4	440.3	267.9	708.2	*760.6*	*714.3*	*1474.9*	*813.5*	*917.1*	*1730.6*
191.8	187.2	379.0	221.8	190.9	412.7	*339.5*	*374.8*	*714.3*	*438.7*	*374.8*	*813.5*
1057.1	1081.6	2138.7	1278.9	1178.8	2457.7	*1330.3*	*1272.1*	*2602.4*	*1570.6*	*1320.6*	*2891.2*
0	85.8	85.8	0	106.3	106.3	*0*	*154.3*	*154.3*	*0*	*154.3*	*154.3*
61.3	56.0	117.3	68.6	59.3	127.9	*242.5*	*112.4*	*354.9*	*253.5*	*218.3*	*471.8*
47.4	28.0	75.4	52.9	30.9	83.8	*94.8*	*41.9*	*136.7*	*94.8*	*41.9*	*136.7*
3.3	0	3.3	3.3	0	3.3	*6.6*	*0*	*6.6*	*6.6*	*0*	*6.6*
1576.5	1490.8	3067.3	1615.3	1537.7	3153.0	*1995.2*	*1824.1*	*3819.3*	*2178.1*	*1894.6*	*4072.7*
113.1	148.1	261.2	123.5	164.0	287.5	*126.1*	*218.3*	*344.4*	*185.6*	*299.8*	*485.4*
3405.0	3310.5	6715.5	3805.9	3535.8	7341.7	*4897.1*	*4712.2*	*9609.3*	*5542.9*	*5261.1*	*10804.0*
39.9	2.4	42.3	40.6	2.6	43.2	*56.2*	*3.3*	*59.5*	*56.2*	*3.3*	*59.5*
15.2	70.8	86.0	19.4	75.4	94.8	*41.9*	*152.1*	*194.0*	*92.6*	*207.2*	*299.8*
20.9	57.1	78.0	20.5	55.1	75.6	*78.3*	*99.2*	*177.5*	*78.3*	*110.2*	*188.5*
25.4	22.0	47.4	26.5	17.6	44.1	*33.1*	*0*	*33.1*	*33.1*	*0*	*33.1*
11.0	2.4	13.4	11.0	2.4	13.4	*37.5*	*11.9*	*49.4*	*37.5*	*11.9*	*49.4*
8.8	6.8	15.6	9.9	6.8	16.7	*24.3*	*11.0*	*35.3*	*26.5*	*11.0*	*37.5*
120.8	77.2	198.0	122.6	77.6	200.2	*194.0*	*91.9*	*285.9*	*202.8*	*91.9*	*294.7*
6.6	0	6.6	6.6	0	6.6	*11.0*	*0*	*11.0*	*11.0*	*0*	*11.0*
248.6	238.7	487.3	257.1	237.5	494.6	*476.3*	*369.4*	*845.7*	*538.0*	*435.5*	*973.5*
13363.9	16765.5	30129.4	14170.2	17219.9	31390.1	*18096.3*	*21543.3*	*39639.6*	*19117.1*	*22605.7*	*41722.8*

TABLE 4:
WORLDWIDE ARTIFICIAL (CELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY
MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1984			1985			1986		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE [a]									
AUSTRIA	32.6	240.3	272.9	32.8	240.3	273.1			271.2
BELGIUM/NETHERLANDS	90.6	0	90.6	92.6	0	92.6			88.2
FINLAND	0	127.9	127.9	0	132.3	132.3			121.3
FRANCE	16.5	41.9	58.4	15.4	33.1	48.5	DETAIL		46.3
GERMANY, FED. REP.	134.5	121.3	255.8	141.1	121.3	262.4	NO		262.3
GREECE	13.2	0	13.2	15.4	0	15.4	LONGER		17.0
ITALY	67.5	0	67.5	66.6	0	66.6	AVAILABLE		66.1
PORTUGAL	2.2	0	2.2	2.2	0	2.2			2.0
SPAIN	15.9	57.5	73.4	16.5	66.1	82.6			81.6
SWEDEN	0	88.4	88.4	0	72.8	72.8			48.7
TURKEY	0.7	9.9	10.6	2.2	15.4	17.6			17.6
UNITED KINGDOM	46.3	234.1	280.4	41.9	132.7	174.6			127.9
TOTAL WESTERN EUROPE	**420.0**	**921.3**	**1341.3**	**426.7**	**814.0**	**1240.7**	**420.2**	**730.0**	**1150.2**
EASTERN EUROPE									
BULGARIA	9.0	81.8	90.8	9.0	82.9	91.9	9.3	83.8	93.1
CZECHOSLOVAKIA	45.2	85.1	130.3	46.1	87.3	133.4	39.7	82.0	121.7
GERMANY, DEM. REP.	77.6	297.6	375.2	78.0	291.9	369.9	78.5	269.2	347.7
HUNGARY	0	15.4	15.4	0	12.1	12.1	0	12.1	12.1
POLAND	43.0	123.5	166.5	45.2	111.6	156.8	42.1	116.6	158.7
ROMANIA	18.7	112.4	131.1	19.4	116.8	136.2	19.8	121.3	141.1
USSR	566.6	760.6	1327.2	542.3	749.6	1291.9	542.3	756.2	1298.5
YUGOSLAVIA	30.9	121.3	152.2	32.8	121.3	154.1	33.3	123.5	156.8
TOTAL EASTERN EUROPE	**791.0**	**1597.7**	**2388.7**	**772.8**	**1573.5**	**2346.3**	**765.0**	**1564.7**	**2329.7**
TOTAL EUROPE	**1211.0**	**2519.0**	**3730.0**	**1199.5**	**2387.5**	**3587.0**	**1185.2**	**2294.7**	**3479.9**

Y Yarn+monofilaments.
S Staple+tow+fiberfill.
a. Starting in 1986 country detail is no longer available due to disclosure.
These totals do not include data for the Indonesian pilot plant nor production of artificial (cellulosic) fiber in North Korea.
Production and producing capacity by country, divided between rayon and acetate yarn, is given on pages 168 - 169.
Also note page 175 for data on production of cigarette tow.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1987			1988			3/1989			12/1990		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
		264.6			291.0			*302.0*			*297.6*
		88.2			90.4			*97.0*			*94.8*
		119.0			133.4			*143.3*			*132.3*
		50.7			33.1			*50.7*			*6.6*
DETAIL		260.1	DETAIL		269.0	DETAIL		*288.8*	DETAIL		*273.4*
NO		17.2	NO		15.0	NO		*17.6*	NO		*17.6*
LONGER		63.9	LONGER		70.5	LONGER		*94.8*	LONGER		*94.8*
AVAILABLE		2.6	AVAILABLE		1.5	AVAILABLE		*4.4*	AVAILABLE		*4.4*
		77.2			81.6			*97.0*			*86.0*
		50.7			44.1			*45.2*			*45.2*
		17.6			19.2			*20.9*			*20.9*
		121.3			141.1			*165.3*			*154.3*
407.8	725.3	1133.1	414.9	775.0	1189.9	*478.4*	*848.6*	*1327.0*	*458.5*	*769.4*	*1227.9*
9.5	63.9	73.4	9.7	52.9	62.6	*11.0*	*92.6*	*103.6*	*11.0*	*92.6*	*103.6*
40.6	81.1	121.7	41.0	81.6	122.6	*59.5*	*101.4*	*160.9*	*59.5*	*154.3*	*213.8*
79.1	266.1	345.2	80.0	275.1	355.1	*86.0*	*352.7*	*438.7*	*86.0*	*381.4*	*467.4*
0	9.0	9.0	0	10.8	10.8	*22.0*	*22.0*	*44.0*	*22.0*	*22.0*	*44.0*
42.5	119.0	161.5	45.0	119.0	164.0	*70.5*	*157.6*	*228.1*	*70.5*	*187.4*	*257.9*
19.8	125.7	145.5	20.1	146.6	166.7	*24.3*	*209.4*	*233.7*	*24.3*	*209.4*	*233.7*
543.4	760.6	1304.0	581.6	743.4	1325.0	*639.3*	*778.2*	*1417.5*	*639.3*	*778.2*	*1417.5*
29.3	110.2	139.5	30.9	119.0	149.9	*37.5*	*132.3*	*169.8*	*37.5*	*132.3*	*169.8*
764.2	1535.6	2299.8	808.3	1548.4	2356.7	*950.1*	*1846.2*	*2796.3*	*950.1*	*1957.6*	*2907.7*
1172.0	2260.9	3432.9	1223.2	2323.4	3546.6	*1428.5*	*2694.8*	*4123.3*	*1408.6*	*2727.0*	*4135.6*

TABLE 4:
WORLDWIDE ARTIFICIAL (CELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY *(CONTINUED)*

MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1984			1985			1986		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	239.1	389.6	628.7	204.6	353.2	557.8	214.8	404.2	619.0
CANADA	22.0	74.7	96.7	17.6	59.3	76.9	19.4	64.2	83.6
OTHER AMERICAS									
ARGENTINA	4.0	3.3	7.3	3.3	3.3	6.6	6.6	10.8	17.4
BRAZIL	39.0	63.9	102.9	44.3	58.4	102.7	37.0	74.1	111.1
CHILE	2.6	8.2	10.8	2.9	8.4	11.3	2.9	8.6	11.5
COLOMBIA	4.0	0	4.0	4.0	0	4.0	4.0	0	4.0
CUBA	4.4	7.7	12.1	4.6	14.1	18.7	5.7	19.2	24.9
MEXICO	25.6	8.8	34.4	27.8	0	27.8	26.5	0	26.5
PERU	3.7	0	3.7	3.7	0	3.7	1.8	0	1.8
URUGUAY	2.2	0	2.2	2.2	0	2.2	2.9	0	2.9
VENEZUELA	4.2	0	4.2	4.6	0	4.6	3.3	0	3.3
TOTAL OTHER AMERICAS	89.7	91.9	181.6	97.4	84.2	181.6	90.7	112.7	203.4
JAPAN	244.3	587.7	832.0	230.6	624.6	855.2	226.6	478.8	705.4
CHINA, PRC	99.2	238.1	337.3	110.2	286.6	396.8	132.3	286.6	418.9
OTHER ASIA									
BANGLADESH	2.2	2.2	4.4	2.2	2.2	4.4	2.4	2.4	4.8
INDIA	91.9	220.7	312.6	103.4	209.4	312.8	109.3	199.3	308.6
INDONESIA	0	80.7	80.7	0	89.7	89.7	0	101.6	101.6
KOREA, REP. OF	28.2	0	28.2	30.4	0	30.4	30.6	0	30.6
PAKISTAN	6.8	0	6.8	7.1	0	7.1	7.1	0	7.1
TAIWAN	5.5	276.7	282.2	5.3	263.4	268.7	6.2	258.2	264.4
THAILAND	0	39.7	39.7	0	41.9	41.9	0	41.9	41.9
TOTAL OTHER ASIA	134.6	620.0	754.6	148.4	606.6	755.0	155.6	603.4	759.0
MIDDLE EAST, AFRICA & OCEANIA									
EGYPT	15.4	10.1	25.5	15.4	10.4	25.8	15.4	10.4	25.8
IRAQ	6.6	12.1	18.7	6.6	12.1	18.7	6.6	12.1	18.7
TOTAL M.E., A & O	22.0	22.2	44.2	22.0	22.5	44.5	22.0	22.5	44.5
TOTAL WORLD	2061.9	4543.2	6605.1	2030.3	4424.5	6454.8	2046.6	4267.1	6313.7

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1987			1988			3/1989			12/1990		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
191.1	414.3	605.4	213.9	400.3	614.2	*244.0*	*476.0*	*720.0*	*254.0*	*493.0*	*747.0*
18.7	62.8	81.5	20.5	72.3	92.8	*32.0*	*83.8*	*115.8*	*32.0*	*83.8*	*115.8*
6.6	5.5	12.1	6.6	0	6.6	*23.8*	*11.0*	*34.8*	*23.8*	*11.0*	*34.8*
33.1	74.7	107.8	32.8	80.7	113.5	*46.5*	*91.9*	*138.4*	*46.5*	*91.9*	*138.4*
2.9	8.8	11.7	2.9	9.0	11.9	*3.3*	*11.9*	*15.2*	*3.3*	*11.9*	*15.2*
5.1	0	5.1	5.3	0	5.3	*7.7*	*0*	*7.7*	*7.7*	*0*	*7.7*
3.5	19.4	22.9	1.5	19.6	21.1	*6.6*	*19.8*	*26.4*	*6.6*	*19.8*	*26.4*
27.1	0	27.1	27.6	0	27.6	*34.8*	*0*	*34.8*	*34.8*	*0*	*34.8*
2.4	0	2.4	2.9	0	2.9	*3.7*	*0*	*3.7*	*3.7*	*0*	*3.7*
2.6	0	2.6	2.9	0	2.9	*4.2*	*0*	*4.2*	*4.2*	*0*	*4.2*
4.9	0	4.9	4.9	0	4.9	*5.3*	*0*	*5.3*	*5.3*	*0*	*5.3*
88.2	108.4	196.6	87.4	109.3	196.7	*135.9*	*134.6*	*270.5*	*135.9*	*134.6*	*270.5*
219.1	443.3	662.4	220.0	420.6	640.6	*282.9*	*473.8*	*756.7*	*260.6*	*473.8*	*734.4*
134.5	291.0	425.5	110.2	242.5	352.7	*286.6*	*352.7*	*639.3*	*286.6*	*352.7*	*639.3*
2.9	2.9	5.8	2.6	2.4	5.0	*3.3*	*11.0*	*14.3*	*3.3*	*11.0*	*14.3*
111.8	257.5	369.3	116.0	267.9	383.9	*173.9*	*300.0*	*473.9*	*173.9*	*300.0*	*473.9*
0	110.0	110.0	0	113.3	113.3	*0*	*147.7*	*147.7*	*0*	*147.7*	*147.7*
31.1	0	31.1	33.5	0	33.5	*37.5*	*61.9*	*99.4*	*37.5*	*61.9*	*99.4*
7.3	0	7.3	7.3	0	7.3	*7.3*	*0*	*7.3*	*7.3*	*0*	*7.3*
5.3	258.4	263.7	5.7	271.6	277.3	*8.8*	*329.4*	*338.2*	*8.8*	*329.4*	*338.2*
0	47.2	47.2	0	52.9	52.9	*0*	*66.1*	*66.1*	*0*	*66.1*	*66.1*
158.4	676.0	834.4	165.1	708.1	873.2	*230.8*	*916.1*	*1146.9*	*230.8*	*916.1*	*1146.9*
15.4	10.6	26.0	15.4	11.0	26.4	*15.4*	*11.9*	*27.3*	*15.4*	*11.9*	*27.3*
6.8	12.1	18.9	6.4	12.1	18.5	*7.7*	*14.3*	*22.0*	*7.7*	*14.3*	*22.0*
22.2	22.7	44.9	21.8	23.1	44.9	*23.1*	*26.2*	*49.3*	*23.1*	*26.2*	*49.3*
2004.2	4279.4	6283.6	2062.1	4299.6	6361.7	*2663.8*	*5158.0*	*7821.8*	*2631.6*	*5207.2*	*7838.8*

TABLE 5:
WORLDWIDE RAYON VS. ACETATE FILAMENT YARN PRODUCTION & PRODUCING CAPACITY BY COUNTRY
MILLION POUNDS

	ACTUAL PRODUCTION								
	1984			1985			1986		
COUNTRY	H	R&C	A	H	R&C	A	H	R&C	A
WESTERN EUROPE									
AUSTRIA	22	11	0	22	11	0			
BELGIUM/NETHERLANDS	40	35	15	40	37	15			
FRANCE	0	15	0	0	15	0			
GERMANY, FED. REP. OF	88	46	0	88	53	0			
ITALY [a]	24	4	40	22	4	40			
SPAIN	0	9	7	0	9	7			
UNITED KINGDOM	0	0	46	0	0	42			
OTHER [b]	0	15	0	0	20	0			
TOTAL WESTERN EUROPE	174	135	108	172	149	104	157	152	112
EASTERN EUROPE									
BULGARIA	0	9	0	0	9	0	0	9	0
CZECHOSLOVAKIA	18	26	0	18	29	0	18	22	0
GERMANY, DEM. REP.	29	49	0	31	49	0	31	49	0
HUNGARY	0	0	0	0	0	0	0	0	0
POLAND	11	33	0	11	33	0	11	31	0
ROMANIA	11	7	0	11	9	0	11	9	0
USSR [a]	265	176	126	256	176	110	256	176	110
YUGOSLAVIA	15	15	0	18	15	0	18	18	0
TOTAL EASTERN EUROPE	349	315	126	345	320	110	345	314	110
U.S.A.	29	13	198	20	13	172	15	13	185
CANADA	0	0	22	0	0	18	0	0	20
OTHER AMERICAS									
ARGENTINA	0	0	4	0	0	4	0	0	7
BRAZIL	9	26	4	9	33	2	2	33	0
CHILE	0	2	0	0	2	0	0	2	0
COLOMBIA	0	0	4	0	0	4	0	0	4
CUBA	4	0	0	4	0	0	7	0	0
MEXICO	4	7	13	7	7	15	4	7	15
PERU	0	0	4	0	0	4	0	0	2
URUGUAY	0	0	2	0	0	2	0	0	2
VENEZUELA	0	0	4	0	0	4	0	0	4
TOTAL OTHER AMERICA	17	35	35	20	42	35	13	42	34
JAPAN [a]	4	172	68	4	163	62	4	163	60
CHINA, PRC	0	99	0	0	110	0	0	132	0
OTHER ASIA									
BANGLADESH	0	2	0	0	2	0	0	2	0
INDIA	18	73	2	15	88	0	11	97	0
KOREA, REP. OF	0	24	4	0	26	4	0	26	4
PAKISTAN	0	0	7	0	0	7	0	0	7
TAIWAN	0	4	0	0	4	0	0	7	0
TOTAL OTHER ASIA	18	103	13	15	120	11	11	132	11
OTHER M.E., A & O [c]	0	22	0	0	22	0	0	22	0
WORLD TOTAL	591	894	570	576	939	512	545	970	532

DETAIL NO LONGER AVAILABLE

H High tenacity (tire & industrial type) viscose rayon yarn
R Regular + intermediate tenacity viscose rayon yarn
C Cuprammonium rayon yarn
A Acetate + triacetate yarn
a. Produces both regular + intermediate rayon yarn and cuprammonium rayon yarn
b. Comprises Greece, Portugal and Turkey
c. Comprises Egypt and Iraq

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1987			1988			3/1989			12/1990		
H	R&C	A	H	R&C	A	H	R&C	A	H	R&C	A
DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE		
148	154	106	163	137	115	*187*	*170*	*121*	*174*	*163*	*121*
0	9	0	0	9	0	*0*	*11*	*0*	*0*	*11*	*0*
18	22	0	18	22	0	*24*	*35*	*0*	*24*	*35*	*0*
31	49	0	31	49	0	*33*	*53*	*0*	*33*	*53*	*0*
0	0	0	0	0	0	*0*	*22*	*0*	*0*	*22*	*0*
11	33	0	11	33	0	*20*	*51*	*0*	*20*	*51*	*0*
11	9	0	13	9	0	*13*	*11*	*0*	*13*	*11*	*0*
258	176	110	262	187	132	*265*	*220*	*154*	*265*	*220*	*154*
13	15	0	15	18	0	*18*	*20*	*0*	*18*	*20*	*0*
342	313	110	350	327	132	*373*	*423*	*154*	*373*	*423*	*154*
15	13	163	15	13	185	*51*	*13*	*181*	*51*	*13*	*190*
0	0	20	0	0	20	*0*	*0*	*33*	*0*	*0*	*33*
0	0	7	0	0	7	*4*	*13*	*7*	*4*	*13*	*7*
0	33	0	0	33	0	*4*	*37*	*4*	*4*	*37*	*4*
0	2	0	0	2	0	*0*	*2*	*0*	*0*	*2*	*0*
0	0	4	0	0	4	*0*	*0*	*9*	*0*	*0*	*9*
4	0	0	2	0	0	*7*	*0*	*0*	*7*	*0*	*0*
4	7	15	4	7	18	*7*	*9*	*20*	*7*	*9*	*20*
0	0	2	0	0	2	*0*	*0*	*4*	*0*	*0*	*4*
0	0	2	0	0	2	*0*	*0*	*4*	*0*	*0*	*4*
0	0	4	0	0	4	*0*	*0*	*4*	*0*	*0*	*4*
8	42	34	6	42	37	*22*	*61*	*52*	*22*	*61*	*52*
4	157	60	2	159	60	*22*	*185*	*75*	*0*	*185*	*75*
0	134	0	0	110	0	*66*	*220*	*0*	*66*	*220*	*0*
0	2	0	0	2	0	*0*	*4*	*0*	*0*	*4*	*0*
11	101	0	20	97	0	*46*	*119*	*9*	*46*	*119*	*9*
0	26	4	0	26	7	*0*	*26*	*11*	*0*	*26*	*11*
0	0	7	0	0	7	*0*	*0*	*7*	*0*	*0*	*7*
0	4	0	0	7	0	*0*	*9*	*0*	*0*	*9*	*0*
11	133	11	20	132	14	*46*	*158*	*27*	*46*	*158*	*27*
0	22	0	0	22	0	*0*	*22*	*0*	*0*	*22*	*0*
528	556	504	556	942	563	*767*	*1252*	*643*	*732*	*1245*	*652*

TABLE 6:
WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY FIBER EXCEPT OLEFIN
MILLION POUNDS

FIBER & AREA	ACTUAL PRODUCTION								
	1984			1985			1986		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC									
WEST EUROPE	2	1861	1863	2	1986	1988	2	2011	2013
EAST EUROPE	0	492	492	0	540	540	0	567	567
U S A	0	670	670	0	631	631	0	615	615
CANADA	0	0	0	0	0	0	0	0	0
OTHER AMERICAS	0	309	309	0	295	295	0	340	340
JAPAN	4	809	813	4	838	842	7	869	876
CHINA, PRC	0	152	152	0	161	161	0	163	163
OTHER ASIA	0	692	692	0	703	703	0	721	721
MIDDLE EAST, AFRICA & OCEANIA	0	26	26	0	35	35	0	40	40
TOTAL	6	5011	5017	6	5189	5195	9	5326	5335
NYLON+ARAMID [a]									
WEST EUROPE	1109	316	1425	1168	335	1503	1140	311	1451
EAST EUROPE	1162	190	1352	1188	205	1393	1232	218	1450
U S A	1578	836	2414	1515	827	2342	1605	908	2513
CANADA	113	31	144	119	26	145	119	31	150
OTHER AMERICAS	349	21	370	386	18	404	375	24	399
JAPAN	635	42	677	642	53	695	573	42	615
CHINA, PRC	126	2	128	154	2	156	163	2	165
OTHER ASIA	758	7	765	809	11	820	853	9	862
MIDDLE EAST, AFRICA & OCEANIA	112	4	116	123	4	127	126	4	130
TOTAL	5942	1449	7391	6104	1481	7585	6186	1549	7735
POLYESTER									
WEST EUROPE	950	1019	1969	995	1028	2023	985	1055	2040
EAST EUROPE	412	844	1256	456	902	1358	528	948	1476
U S A	1199	2191	3390	1321	2021	3342	1173	2134	3307
CANADA	40	99	139	46	102	148	47	111	158
OTHER AMERICAS	460	390	850	451	388	839	459	394	853
JAPAN	722	706	1428	726	712	1438	710	683	1393
CHINA, PRC	77	707	784	121	977	1098	154	1005	1159
OTHER ASIA	1537	1683	3220	1856	1891	3747	2134	2236	4370
MIDDLE EAST, AFRICA & OCEANIA	103	160	263	121	161	282	113	174	287
TOTAL	5500	7799	13299	6093	8182	14275	6303	8740	15043
OTHER FIBERS EXCEPT OLEFIN [b]									
WEST EUROPE	13	20	33	13	20	33	11	20	31
EAST EUROPE	2	9	11	2	7	9	2	7	9
U S A	0	0	0	0	0	0	0	0	0
CANADA	0	0	0	0	0	0	0	0	0
OTHER AMERICAS	2	0	2	2	0	2	2	0	2
JAPAN	37	64	101	51	66	117	44	60	104
CHINA, PRC	15	154	169	22	176	198	22	139	161
OTHER ASIA	0	2	2	0	2	2	0	2	2
MIDDLE EAST, AFRICA & OCEANIA	0	0	0	0	0	0	0	0	0
TOTAL	69	249	318	90	271	361	81	228	309
TOTAL FIBERS ABOVE									
WEST EUROPE	2074	3216	5290	2178	3369	5547	2138	3397	5535
EAST EUROPE	1576	1535	3111	1646	1654	3300	1762	1740	3502
U S A	2777	3697	6474	2836	3479	6315	2778	3657	6435
CANADA	153	130	283	165	128	293	166	142	308
OTHER AMERICAS	811	720	1531	839	701	1540	836	758	1594
JAPAN	1398	1621	3019	1423	1669	3092	1334	1654	2988
CHINA, PRC	218	1015	1233	297	1316	1613	339	1309	1648
OTHER ASIA	2295	2384	4679	2665	2607	5272	2987	2968	5955
MIDDLE EAST, AFRICA & OCEANIA	215	190	405	244	200	444	239	218	457
WORLD TOTAL	11517	14508	26025	12293	15123	27416	12579	15843	28422

Y Yarn+monofilaments
S Staple+tow+fiberfill
\+ Nominal quantities

a. U S A nylon producing capacity data do not include aramid
b. Other fibers are alginate, azlon, spandex or elastomer, saran, TFE-fluorocarbon, vinal and vinyon. U S A production data do not include spandex

ACTUAL PRODUCTION						PRODUCING CAPACITY						% UTILIZATION [c]	
1987			1988			3/1989			12/1990				
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S
2	2026	2028	2	1993	1995	2	2302	2304	2	2324	2326	100.0	87.2
0	597	597	0	604	604	0	873	873	0	961	961	0	72.5
0	591	591	0	589	589	0	642	642	0	648	648	0	92.4
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	397	397	0	395	395	0	470	470	0	518	518	0	84.5
7	891	898	7	871	878	13	974	987	13	974	987	50.0	93.2
0	165	165	0	187	187	0	276	276	0	441	441	0	62.0
0	758	758	0	774	774	0	922	922	0	1005	1005	0	84.8
0	44	44	0	37	37	0	44	44	0	55	55	0	71.4
9	**5469**	**5478**	**9**	**5450**	**5459**	**15**	**6503**	**6518**	**15**	**6926**	**6941**	**57.1**	**84.7**
1142	302	1444	1153	324	1477	1444	425	1869	1486	406	1892	78.7	70.6
1276	220	1496	1305	225	1530	1508	265	1773	1552	265	1817	86.9	83.3
1698	992	2690	1728	941	2669	1933	1144	3077	2035	1157	3192	89.9	87.2
112	29	141	119	29	148	214	53	267	214	53	267	53.7	54.2
364	22	386	353	22	375	602	51	653	602	51	653	62.1	44.4
578	37	615	589	33	622	712	60	772	712	60	772	80.5	63.0
174	2	176	220	0	220	243	11	254	262	22	284	79.0	20.0
946	13	959	1036	13	1049	1301	18	1319	1391	71	1462	74.0	60.0
132	4	136	137	4	141	223	9	232	231	9	240	57.1	57.1
6422	**1621**	**8043**	**6640**	**1591**	**8231**	**8180**	**2036**	**10216**	**8485**	**2094**	**10579**	**80.0**	**81.1**
994	1061	2055	1018	1130	2148	1338	1305	2643	1396	1393	2789	75.7	80.1
579	1043	1622	624	1064	1688	743	1446	2189	774	1592	2366	78.0	71.9
1178	2363	3541	1228	2452	3680	1376	2679	4055	1332	2493	3825	87.3	91.5
46	99	145	47	100	147	60	117	177	60	117	177	74.1	84.9
502	430	932	511	442	953	677	637	1314	739	705	1444	74.7	69.1
713	623	1336	725	646	1371	1032	816	1848	1032	816	1848	69.6	75.2
265	1093	1358	397	1157	1554	705	1488	2193	705	1488	2193	46.1	80.1
2459	2535	4994	2770	2745	5515	3593	3772	7365	4149	4184	8333	77.0	74.6
116	191	307	120	196	316	254	317	571	307	371	678	52.2	63.3
6852	**9438**	**16290**	**7440**	**9932**	**17372**	**9778**	**12577**	**22355**	**10494**	**13159**	**23653**	**75.3**	**79.2**
11	20	31	11	19	30	18	26	44	18	26	44	62.5	75.0
2	7	9	2	7	9	2	18	20	2	18	20	100.0	37.5
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	2	2	0	2	2	0	2	2	0	2	66.7	0
44	62	106	44	66	110	66	218	284	66	218	284	66.7	30.3
22	144	166	22	151	173	33	165	198	33	165	198	66.7	86.7
0	4	4	0	4	4	2	0	2	2	0	2	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	**237**	**318**	**81**	**247**	**328**	**123**	**427**	**550**	**123**	**427**	**550**	**54.0**	**57.7**
2149	3409	5558	2184	3466	5650	2802	4058	6860	2902	4149	7051	77.8	83.5
1857	1867	3724	1931	1900	3831	2253	2602	4855	2328	2836	5164	83.3	73.0
2876	3946	6822	2956	3982	6938	3309	4465	7774	3367	4298	7665	87.8	91.7
158	128	286	166	129	295	274	170	444	274	170	444	57.3	75.3
868	849	1717	866	859	1725	1281	1158	2439	1343	1274	2617	61.8	72.0
1342	1613	2955	1365	1616	2981	1823	2068	3891	1823	2068	3891	74.1	79.1
461	1404	1865	639	1495	2134	981	1940	2921	1000	2116	3116	63.7	73.6
3405	3310	6715	3806	3536	7342	4896	4712	9608	5542	5260	10802	75.9	76.7
248	239	487	257	237	494	477	370	847	538	435	973	54.3	70.3
13364	**16765**	**30129**	**14170**	**17220**	**31390**	**18096**	**21543**	**39639**	**19117**	**22606**	**41723**	**77.3**	**76.4**

c. Based on 1988 production and an average March 1988 and March 1989 producing capacity. Refer to July 1988 ***Textile Organon*** for March 1988 producing capacity.

The regional totals here are the same as those on pages 160 - 163.

TABLE 7:
PERCENT SHARE OF WORLDWIDE ARTIFICIAL (CELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY AREA

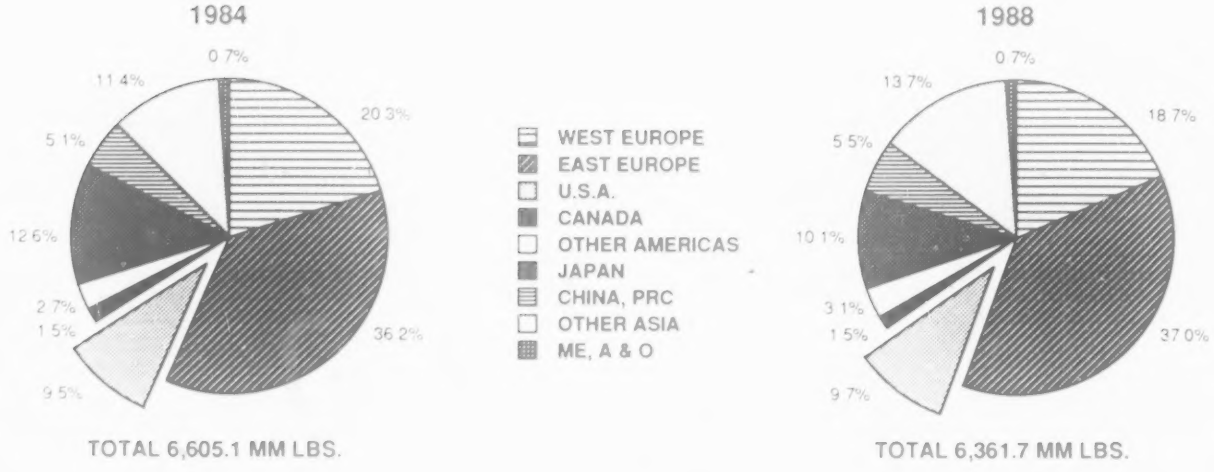
	PRODUCTION		PRODUCING CAPACITY	
AREA	1984	1988	3/1984	3/1989
WEST EUROPE	20.3	18.7	19.2	17.0
EAST EUROPE	36.2	37.0	35.2	35.8
U.S.A.	9.5	9.7	10.6	9.2
CANADA	1.5	1.5	1.5	1.5
OTHER AMERICAS	2.7	3.1	3.5	3.5
JAPAN	12.6	10.1	12.6	9.7
CHINA, PRC	5.1	5.5	6.4	8.2
OTHER ASIA	11.4	13.7	10.3	14.7
MIDDLE EAST, AFRICA & OCEANIA	0.7	0.7	0.7	0.4
TOTAL	100.0	100.0	100.0	100.0

TABLE 8:
PERCENT SHARE OF WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY AREA

	PRODUCTION		PRODUCING CAPACITY	
AREA	1984	1988	3/1984	3/1989
WEST EUROPE	20.3	18.0	20.3	17.3
EAST EUROPE	11.9	12.2	12.6	12.2
U.S.A.	24.9	22.1	25.2	19.6
CANADA	1.1	0.9	1.1	1.1
OTHER AMERICAS	5.9	5.5	6.1	6.2
JAPAN	11.6	9.5	11.3	9.8
CHINA, PRC	4.7	6.8	5.4	7.4
OTHER ASIA	18.0	23.4	16.2	24.2
MIDDLE EAST, AFRICA & OCEANIA	1.6	1.6	1.8	2.2
TOTAL	100.0	100.0	100.0	100.0

GRAPH 2:
PERCENT SHARE OF WORLDWIDE ARTIFICIAL (CELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY AREA

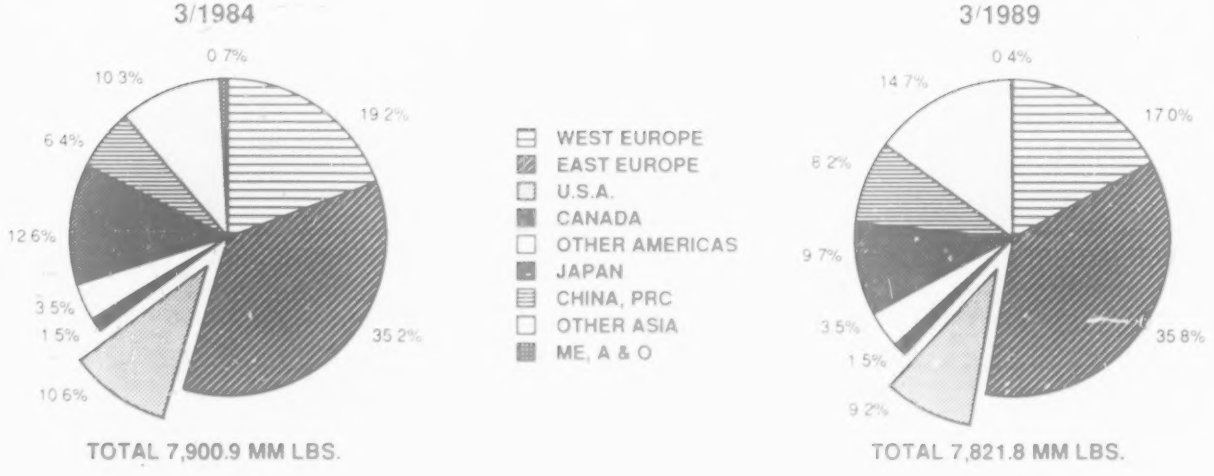
PRODUCTION



TOTAL 6,605.1 MM LBS.

TOTAL 6,361.7 MM LBS.

PRODUCING CAPACITY



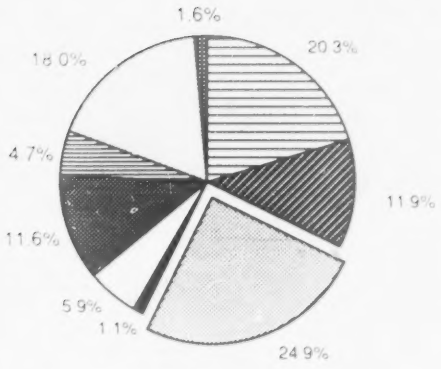
TOTAL 7,900.9 MM LBS.

TOTAL 7,821.8 MM LBS.

GRAPH 3:
PERCENT SHARE OF WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY AREA

PRODUCTION

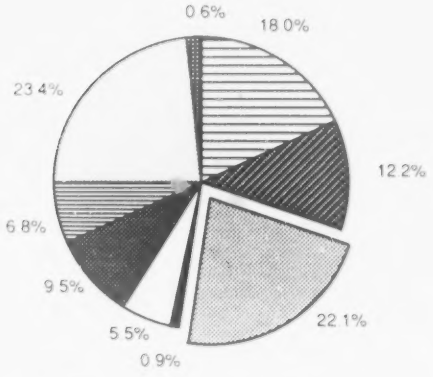
1984



TOTAL: 26,024.6 MM LBS.

WEST EUROPE
EAST EUROPE
U.S.A.
CANADA
OTHER AMERICAS
JAPAN
CHINA, PRC
OTHER ASIA
ME, A & O

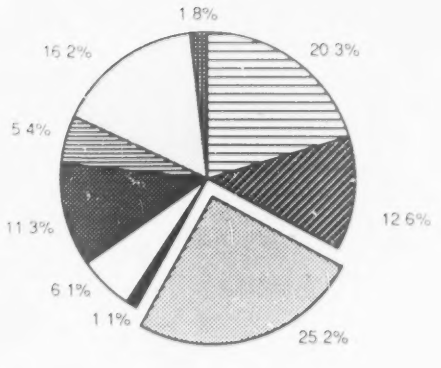
1988



TOTAL: 31,390.1 MM LBS.

PRODUCING CAPACITY

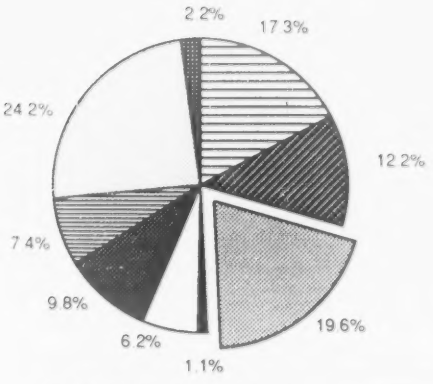
3/1984



TOTAL: 31,790.3 MM LBS.

WEST EUROPE
EAST EUROPE
U.S.A.
CANADA
OTHER AMERICAS
JAPAN
CHINA, PRC
OTHER ASIA
ME, A & O

3/1989



TOTAL: 39,639.6 MM LBS.

TABLE 9:
WORLDWIDE GLASS FIBER
PRODUCTION & PRODUCING CAPACITY
MILLION POUNDS

COUNTRY	PRODUCTION					CAPACITY	
	1984	1985	1986	1987	1988	3/89	12/90
WEST EUROPE	661	705	802	897	1025	*970*	*1102*
EAST EUROPE [a]						*220*	*243*
U.S.A.	1394	1345	1389	1598	1609	*1777*	*1929*
OTHER AMERICAS	86	71	77	110	143	*172*	*172*
JAPAN	549	602	529	661	750	*772*	*787*
MIDDLE EAST, AFRICA & OCEANIA [b]	31	62	66	77	121	*143*	*287*
TOTAL ABOVE	**2721**	**2785**	**2863**	**3343**	**3648**	***4054***	***4520***
CHINA P.R.C.	88	110	110	121	143	*209*	*220*
U.S.S.R.	165	187	220	243	276	*408*	*441*

Glass fiber is defined on page 118 of the June issue. The glass fiber producing capacity, is based on March 1989 and December 1990 annual projections.

a. The data for East Europe do not include estimates for the U.S.S.R.
b. The Other Asia, Africa & Oceania countries are Australia, India, Korea, Rep. of, South Africa and Taiwan.

TABLE 10:
ESTIMATED WORLDWIDE
CIGARETTE TOW PRODUCTION
MILLION POUNDS

AREA	1984	1985	1986	1987	1988
EUROPE [a]	176	183	229	236	273
U.S.A.	412	463	476	545	549
OTHER AMERICAS [b]					
ASIA [c]	104	97	93	101	108
WORLD TOTAL	**692**	**743**	**798**	**882**	**930**

a. Belgium, Germany, Fed. Rep., U.S.S.R. & United Kingdom
b. Brazil, Canada, Colombia, Mexico & Venezuela
c. Japan and Korea, Rep. of

The following are additions and corrections in the **Worldwide Directory of Manufactured Fiber Producers** which appeared in our June 1989 ***Fiber Organon.***

On page 124,
ECUADOR

Change the following company name:
FROM: ECUATORINA DE TEJIDOS DE PUNTA
TO: ECUATORINA DE TEJIDOS DE PUNTA - ECUAPUNTO CIA. LTDA.

On page 123,
COLOMBIA

Add the following company names:
QUIMICA INDUSTRIAL (formerly CELANESE COLOMBIANA, S.A.)
Acetate — Yumbo, near Cali, Valle del Cauca (yarn)
Polyester — Yumbo, (yarn & staple)

QUINTEX PLANTA DE SABANETA (formerly CELANESE COLOMBIANA, S.A.)
Nylon 6 — Sabaneta, Antioquia *Nylocel* (yarn)

TABLE 11:
WORLDWIDE OLEFIN FIBER PRODUCTION
MILLION POUNDS

COUNTRY	1984	1985	1986	1987	1988
WEST EUROPE					
AUSTRIA	46	53	57	60	66
BENELUX	214	265	311	353	375
DENMARK	31	55	57	66	68
FINLAND	31	53	53	40	44
FRANCE	64	110	121	128	134
GREECE/CYPRUS	24	31	33	35	44
GERMANY, FED. REP.	201	218	229	254	276
IRELAND	20	20	20	22	22
ITALY	201	280	287	287	298
NORWAY	9	9	9	11	11
PORTUGAL	66	66	66	79	79
SPAIN	82	82	90	108	119
SWEDEN	9	13	13	13	15
SWITZERLAND	18	31	37	44	51
TURKEY	13	13	13	15	15
UNITED KINGDOM	198	209	243	276	287
TOTAL WEST EUROPE	1227	1508	1639	1791	1904
EAST EUROPE					
CZECHOSLOVAKIA	26	26	26	26	26
HUNGARY	35	37	44	49	55
POLAND	35	35	37	37	37
U.S.S.R.	44	49	53	53	55
U.S.A.					
YARN+MONOFIL	386	423	470	494	549
STAPLE	249	302	335	362	364
FILM FIBER	340	514	580	659	635
CANADA	99	106	121	134	137
OTHER AMERICAS					
ARGENTINA	37	33	42	53	60
BRAZIL	86	86	88	88	90
CHILE	9	11	13	15	15
EL SALVADOR, GUATEMALA, HONDURAS	7	7	7	7	7
MEXICO	57	57	60	60	62
NICARAGUA	2	2	2	2	2
PERU	13	13	15	15	15
URUGUAY	4	4	4	4	4
JAPAN					
YARN+MONOFIL	31	31	24	31	35
STAPLE	71	77	82	79	84
FILM FIBER	NA	NA	NA	NA	NA
OTHER ASIA					
KOREA, REP. OF	2	2	0	0	0
PHILIPPINES	7	7	7	7	7
TAIWAN	139	157	170	172	174
MIDDLE EAST, AFRICA & OCEANIA					
AUSTRALIA	49	51	55	57	62
SOUTH AFRICA	11	11	11	11	11
OTHER	2	2	2	2	2

The olefin data shown include the "official" country data published by a government, an association or other statistical agency as well as an estimate of the olefin fiber, mainly slit and split film fiber, believed to have been produced in the country. For example, although U.S. olefin production data include yarn, monofil, staple, film fiber, and spunbonded polypropylene, published Italian and Japanese olefin data show the production of yarn+monofilaments and staple+tow but no data on production of film fiber, such as that used in sacks, fishing nets, and carpet backing. Estimates were made in the latter example.

Due to the inconsistencies in olefin production reporting, we have made no attempt to show a worldwide total.

TABLE 12:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	0	0	6	1	4								11	
BRAZIL	53	110	55	0	54								272	
CANADA	745	619	686	613	656								3319	
GERMANY, FED. REP. OF	784	515	697	452	436								2884	
JAPAN	55	121	122	185	110								593	
MEXICO	156	99	171	45	153								624	
NETHERLANDS	61	239	261	173	204								938	
UNITED KINGDOM	75	68	113	135	75								466	
ALL OTHER COUNTRIES [a]	187	68	88	224	224								791	
TOTAL ARTIFICIAL YARN	**2116**	**1839**	**2199**	**1828**	**1916**								**9898**	**6489**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	323	422	377	226	381								1729	
CANADA	4757	1990	4093	3462	3409								17711	
GERMANY, FED. REP. OF	68	67	55	116	124								470	
JAPAN	150	521	422	263	107								1463	
UNITED KINGDOM	265	225	1	47	69								607	
ALL OTHER COUNTRIES [b]	414	266	656	306	1330								2972	
TOTAL ARTIFICIAL STAPLE+TOW	**5977**	**3491**	**5644**	**4420**	**5420**								**24952**	**5780**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	0	56	129	171	343								699	
BRAZIL	124	137	365	107	140								873	
CANADA	3795	3098	3138	2532	3528								16091	
COSTA RICA	252	487	591	433	415								2178	
ECUADOR	91	26	144	0	58								319	
FRANCE	1180	1151	1079	1159	1159								5728	
GERMANY, FED. REP. OF	2281	2204	2641	2516	2357								11999	
IRELAND	121	114	240	77	158								710	
ISRAEL	299	217	172	149	285								1122	
ITALY	1094	323	673	883	1031								4204	
JAPAN	893	1251	1065	966	1161								5336	
KOREA, REP. OF	15	49	7	81	98								250	
MEXICO	1447	2233	2385	1857	2527								10449	
NETHERLANDS	82	193	267	338	69								949	
SINGAPORE	0	25	0	33	0								58	
TAIWAN	50	175	650	1296	2844								5015	
THAILAND	65	64	69	67	63								328	
UNITED KINGDOM	1539	1357	1492	1677	1810								7875	
ALL OTHER COUNTRIES [c]	36	195	296	317	89								933	
TOTAL SYNTHETIC YARN	**13364**	**13355**	**15603**	**14659**	**18135**								**75116**	**48946**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	0	3	9	13	1								26	
AUSTRALIA	31	160	1	82	16								290	
BELGIUM	47	99	60	56	67								329	
BRAZIL	0	24	0	0	0								24	
CANADA	1413	737	1481	1489	1292								6412	
FRANCE	230	304	253	405	388								1580	
GERMANY, FED. REP. OF	1985	1758	1318	1293	1491								7845	
INDIA	0	0	3772	3400	709								7881	
IRELAND	280	480	305	348	0								1413	
ITALY	482	394	206	46	61								1189	
JAPAN	1773	1757	2303	2770	2429								11032	
KOREA, REP. OF	2297	3387	3933	4165	5687								19469	
MEXICO	1049	372	420	1016	783								3640	
NETHERLANDS	31	103	99	81	56								370	
SWITZERLAND	146	165	134	166	125								736	
TAIWAN	262	235	215	808	917								2437	
UNITED KINGDOM	2318	2304	1643	2107	2671								11043	
ALL OTHER COUNTRIES [d]	28	29	223	95	205								580	
TOTAL SYNTHETIC STAPLE+TOW	**12372**	**12311**	**16375**	**18340**	**16898**								**76296**	**78313**

a. Ireland 245, Korea, Rep. of 144, Chile 132, Italy 77, China, PRC 51, Taiwan 44, France 43, Norway 32, Singapore 23.

b. China, PRC 1225, Taiwan 464, Germany, Dem. Rep. 220, Australia 217, Switzerland 179, Korea, Rep. of 171, Poland 110, Romania 98, France 89, Sweden 76, Belgium 73, Italy 31, India 18, Mexico 1.

c. Portugal 304, Argentina 108, Austria 86, Turkey 69, China, PRC 57, Australia 49, Egypt 44, Switzerland 40, Spain 34, El Salvador 31, Morocco 26, Chile 22, Hong Kong 21, Peru 21, Columbia 9, Sweden 9, Greece 2, Denmark 1.

d. Spain 290, Turkey 129, Israel 114, Germany, Dem. Rep. 42, Hong Kong 3, China, PRC 2.

Effective January 1, 1989 the U.S. Manufactured Imports for Consumption by Country of Origin are based on the new Harmonized System (HS). On pages 73 through 79 of the ***Fiber Organon***, April 1989 issue, we present the Harmonized Tariff Schedule of the United States covering cellulosic (artificial) and noncellulosic (synthetic) fibers, Annotated for Statistical Reporting Purposes. **Data for 1989 is not comparable to prior years.**

Selected U.S. Manufactured Imports for Consumption by Country of Origin for 1988 are published in the ***Textile Organon***, February 1989 issue, page 31.

TABLE 13:
U.S. MANUFACTURED FIBER IMPORTS
THOUSAND POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	114	266	408	205	111								1104	
TEXTURED	180	1	0	24	0								205	
OTHER	1726	1532	1671	1449	1732								8110	
MONOFILAMENTS & STRIPS	96	40	120	150	73								479	
SUBTOTAL ABOVE	**2116**	**1839**	**2199**	**1828**	**1916**								**9898**	**6489**
STAPLE	5924	3481	5624	4403	5312								24744	
TOW	47	0	0	7	103								157	
TOPS	6	10	20	10	5								51	
SUBTOTAL ABOVE	**5977**	**3491**	**5644**	**4420**	**5420**								**24952**	**5780**
WASTE	**18**	**122**	**47**	**213**	**0**								**400**	**5**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	1037	1093	1506	1578	1829								7043	
TEXTURED														
UP TO 450 DENIER	385	217	359	285	319								1565	
OVER 450 DENIER	1311	1054	1428	1294	1241								6328	
OTHER	3820	3306	3786	3845	4296								19053	
MONOFILAMENTS & STRIPS	72	159	58	113	143								545	
SUBTOTAL ABOVE	**6625**	**5829**	**7137**	**7115**	**7828**								**34534**	**16458**
POLYESTER														
HIGH TENACITY	957	880	909	488	797								4031	
TEXTURED	883	1673	1738	1766	1775								7835	
POY	0	40	642	1088	2744								4514	
OTHER	1152	1481	1719	1740	1324								7416	
MONOFILAMENTS & STRIPS	65	80	34	55	24								258	
SUBTOTAL ABOVE	**3057**	**4154**	**5042**	**5137**	**6664**								**24054**	**14470**
OTHER SYNTHETIC FILAMENT														
TEXTURED	2057	1685	1552	1054	2074								8422	
OTHER	1478	1388	1564	1029	1174								6633	
MONOFILAMENTS & STRIPS	147	299	308	324	395								1473	
SUBTOTAL ABOVE	**3682**	**3372**	**3424**	**2407**	**3643**								**16528**	**18018**
STAPLE														
NYLON	1726	1896	1845	1592	1422								8481	
POLYESTER	5584	5594	10047	10627	10327								42179	
ACRYLIC	1934	1028	1576	1518	1206								7262	
POLYPROPYLENE	44	55	197	351	93								740	
OTHER	172	1040	651	740	167								2770	
TOW														
NYLON	237	433	257	504	341								1772	
POLYESTER	47	78	131	49	140								445	
ACRYLIC	2023	1709	1127	2522	2868								10249	
OTHER	117	120	146	0	0								383	
TOPS	488	358	398	437	334								2015	
SUBTOTAL ABOVE	**12372**	**12311**	**16375**	**18340**	**16898**								**76296**	**78313**
WASTE														
NYLON	1971	1804	1754	2087	1949								9565	
POLYESTER	999	340	730	1029	846								3944	
OTHER	396	725	477	486	547								2631	
TOTAL MANUFACTURED FIBERS ABOVE	**37213**	**33987**	**42829**	**43062**	**45711**								**202802**	**157918**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	229	84	46	26	74								459	
SPUN YARN	492	396	370	287	418								1963	
SPUN YARNS														
SYNTHETIC	517	686	517	258	677								2655	
ARTIFICIAL	0	0	0	0	0								0	
PUT UP FOR RETAIL SALE	71	50	27	37	74								259	
GRAND TOTAL ABOVE	**38522**	**35203**	**43789**	**43670**	**46954**								**208138**	**196806**

SOURCE: U.S. Census Bureau Report IM145X

Effective January 1,1989 the U.S. Imports are based on the new Harmonized System (HS). On pages 73 through 79 of the ***Fiber Organon***, April 1989 issue, we present the Harmonized Tariff Schedule of the United States covering cellulosic (artificial) and noncellulosic (synthetic) fibers, Annotated for Statistical Reporting Purposes. **Data for 1989 is not comparable to prior years.**

U.S. Monthly Imports of Manufactured Fibers for 1988, are published in the ***Textile Organon***, February 1989 issue, on page 32.

TABLE 14:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1989	1988
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	9	13	45	26	30								123	
TEXTURED	463	17	29	1	29								539	
OTHER	694	63	18	60	21								856	
MONOFILAMENTS & STRIPS	90	0	7	93	5								195	
SUBTOTAL ABOVE	1256	93	99	180	85								1713	5016
STAPLE	2827	1786	1325	920	1659								8517	
TOPS	94	0	8	129	53								284	
SUBTOTAL ABOVE	2921	1786	1333	1049	1712								8801	9717
WASTE	1303	559	1587	1116	1635								6200	941
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	9331	9410	7884	16614	6326								49565	
TEXTURED														
UP TO 450 DENIER	522	586	719	666	819								3312	
OVER 450 DENIER	4706	5051	5459	4430	4096								23742	
OTHER	2038	2103	2133	2188	2571								11033	
MONOFILAMENTS & STRIPS	239	258	187	131	204								1019	
SUBTOTAL ABOVE	16836	17408	16382	24029	14016								88671	66821
POLYESTER														
HIGH TENACITY	3031	3122	2773	3282	4214								16422	
TEXTURED	3651	3677	2385	2939	3208								15860	
POY	939	1250	2204	1446	629								6468	
OTHER	1007	584	829	983	777								4180	
MONOFILAMENTS & STRIPS	208	213	203	132	302								1058	
SUBTOTAL ABOVE	8836	8846	8394	8782	9130								43988	35190
OTHER SYNTHETIC FILAMENT														
TEXTURED	1033	457	872	903	992								4257	
OTHER	1342	1471	1735	1730	1559								7837	
MONOFILAMENTS & STRIPS	486	421	771	1317	927								3922	
SUBTOTAL ABOVE	2861	2349	3378	3950	3478								16016	19838
STAPLE														
NYLON	2605	3265	3262	2629	3280								15041	
POLYESTER	14048	10762	12940	12923	10675								61348	
ACRYLIC	3326	5674	6643	6896	6342								28881	
POLYPROPYLENE	1336	1569	1129	2264	2714								9012	
OTHER	836	2036	1489	2562	1734								8657	
TOW														
NYLON	31	50	50	108	141								380	
POLYESTER	37	564	472	634	7								1714	
ACRYLIC	1037	1761	2185	3302	1467								9752	
OTHER	161	16	34	503	9								723	
TOPS	847	964	1224	2191	3092								8318	
SUBTOTAL ABOVE	24264	26661	29428	34012	29461								143826	173437
WASTE														
NYLON	2127	2118	2159	2883	2102								11389	
POLYESTER	4369	3980	3189	5535	3685								20758	
OTHER	5113	6957	8080	6731	7071								33952	
TOTAL MANUFACTURED FIBERS ABOVE	69886	70757	74029	88267	72375								375314	362541
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	13	51	43	74	9								190	
SPUN YARN	0	0	0	0	0								0	
SPUN YARNS														
SYNTHETIC	732	959	1152	1172	1127								5142	
ARTIFICIAL	0	0	0	0	0								0	
PUT UP FOR RETAIL SALE	606	740	923	580	496								3345	
GRAND TOTAL ABOVE	71237	72507	76147	90093	74007								383991	

SOURCE: U.S. Census Bureau Report EM522

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U.S. Monthly Exports of Manufactured Fibers for 1988, are published in the ***Textile Organon***, February 1989 issue, on page 33.

TABLE 15:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1989 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1989	1988
MANUFACTURED FIBER TOTAL SHIPMENTS[b,c]														
ARTIFICIAL (CELLULOSIC)														
YARN	17.3	17.0	18.4	21.5	18.3	18.4							110.9	105.2
RAYON STAPLE	34.5	32.1	36.5	32.1	34.7	30.9							200.8	215.2
TOTAL ARTIFICIAL (CELLULOSIC)	51.8	49.1	54.9	53.6	53.0	49.3							311.7	320.4
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	31.3	30.5	32.5	32.3	28.9	32.6							188.1	189.8
- CARPET	74.9	77.2	82.0	77.5	86.1	78.4							476.1	479.8
- TEXTILE[f]	33.9	33.2	35.0	34.6	33.8	33.4							203.9	191.3
POLYESTER - INDUSTRIAL[d]	28.6	29.7	30.9	32.2	30.4	31.5							183.3	179.4
- TEXTILE[f]	73.2	71.2	74.4	78.2	76.3	66.0							439.3	415.8
OLEFIN[e]	103.2	102.2	101.5	97.7	101.7	100.7							607.0	609.5
TOTAL YARN	345.1	344.0	356.3	352.5	357.2	342.6							2097.7	2065.6
STAPLE+TOW+FIBERFILL														
NYLON	82.3	78.4	88.8	76.4	81.3	78.3							485.5	471.8
ACRYLIC+MODACRYLIC	41.7	46.2	48.6	49.2	51.7	44.4							281.8	295.1
POLYESTER	205.8	192.1	212.4	214.3	206.8	193.6							1225.0	1189.8
OLEFIN	31.0	31.6	32.0	31.4	31.2	32.1							189.3	212.8
TOTAL STAPLE	360.8	348.3	381.8	371.3	371.0	348.4							2181.6	2169.5
TOTAL SYNTHETIC (NONCELLULOSIC)	705.9	692.3	738.1	723.8	728.2	691.0							4279.3	4235.1
TOTAL MANUFACTURED FIBER	757.7	741.4	793.0	777.4	781.2	740.3							4591.0	4555.5
MANUFACTURED FIBER END-OF-MONTH STOCK														
ARTIFICIAL (CELLULOSIC)														
YARN	11.7	10.9	11.3	10.4	9.7	14.7							14.7	12.4
RAYON STAPLE	13.0	13.2	11.7	12.5	13.4	8.9							8.9	13.4
TOTAL ARTIFICIAL (CELLULOSIC)	24.7	24.1	23.0	22.9	23.1	23.6							23.6	25.8
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	24.4	24.7	22.4	22.9	24.2	24.5							24.5	24.6
- CARPET	63.5	63.2	62.8	68.7	64.0	66.8							66.8	71.9
- TEXTILE[f]	47.1	48.3	46.4	47.0	47.4	49.0							49.0	50.3
POLYESTER - INDUSTRIAL[d]	35.0	31.4	30.6	31.6	30.9	33.8							33.8	29.2
- TEXTILE[f]	73.5	76.9	81.8	85.1	85.0	87.2							87.2	82.9
OLEFIN[e]	53.1	53.8	55.2	55.3	55.0	56.1							56.1	54.0
TOTAL YARN	296.6	298.3	299.2	310.6	306.5	317.4							317.4	312.9
STAPLE+TOW+FIBERFILL														
NYLON	51.8	52.9	50.9	57.5	57.5	57.0							57.0	65.3
ACRYLIC+MODACRYLIC	70.5	68.3	69.0	67.3	65.2	69.7							69.7	68.0
POLYESTER	163.5	163.8	158.5	164.4	176.2	190.9							190.9	173.7
OLEFIN	31.0	31.3	32.8	34.3	35.2	33.3							33.3	36.1
TOTAL STAPLE	316.8	316.3	311.2	323.5	334.1	350.9							350.9	343.1
TOTAL SYNTHETIC (NONCELLULOSIC)	613.4	614.6	610.4	634.1	640.6	668.3							668.3	656.0
TOTAL MANUFACTURED FIBER	638.1	638.7	633.4	657.0	663.7	691.9							691.9	681.8
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.1	12.8	14.1	12.0									51.0	50.0
CARPET CLASS WOOL	0.8	1.4	1.5	1.6									5.3	5.9
TOTAL RAW WOOL	12.9	14.2	15.6	13.6									56.3	55.9
RAW COTTON	289.5	301.0	339.2	305.7									1235.4	1228.7

a. "Year to date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic shipments plus export shipments.
d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
f. Includes low denier industrial yarn.